

## Chapter 9. ANSI ASC X12 Version 4030 Mapping

### ➤ *General*

The Electronic Participants will follow the ANSI ASC X12 Electronic Filing of Return Data Transaction Set (TS813), as defined in Version 4 Release 3 (BOE map). The BOE requires that all schedules reflect detailed information needed to perform tracking of monthly fuel transactions.

The BOE requires that both gallon and dollar information be reported as whole numbers. All gallon and dollar fractions should be rounded to the nearest whole number.

This section provides the information needed to file monthly motor fuels tax returns or reports. It will cover all of the necessary specifications in detail for the filing of these returns or reports. The topics covered are as follows:

- Attribute Conventions
- EDI Requirements
- Transaction Set 813 (TS813)
- TS813 Motor Fuels Structure Overview
- TS813 Motor Fuels Map Flow
- TS813 Motor Fuels Reporting Map
- TS997 Functional Acknowledgement
- TS997 Acknowledgement Example

### ➤ *Version of EDI Guide*

The BOE's EDI Guide version control number for this publication is **1.0**. When updates to the EDI map are published by the BOE the version control number will be changed. This number is used by the BOE to manage changes between versions in EDI files. The version control number is reported in the Tax Information and Amount (TIA) Segment – [Version of Taxing Authority's Implementation Guide](#) found in the EDI map of this chapter.

### ➤ *Keys to Interpreting the BOE Map*

The BOE map has been designed using the FTA Motor Fuel Uniformity EDI map. Key tables, similar to the one appearing below, have been added to the map flow diagrams and the EDI map to assist the reader in understanding how to implement the electronic filing requirements.

Key:

Not Used in FTA Map  
Notes  
Not Used by California  
Syntax Notes

<b>Not used: no data to transmit</b>
<b>Note: important to read all notes</b>
<b>Segments, Elements and Codes not used by California that are part of the Standard FTA Map</b>
<b>Translation Syntax Requirements – The California translator will enforce these rules.</b>

## ➤ Attribute Conventions

**Table 1 – EDI v. 4030 List of Attribute Conventions from ANSI ASC X12**

Attribute	Definition	
Data Element Type	Nn – Numeric	Numeric type data element is symbolized by the two-position representation (Nn). N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 (N Zero) is a numeric with no decimal places.
	R – Decimal (Real)	The decimal point is optional for integer values, but is required for fractional values. For negative values, the leading minus (-) sign is used. Absence of this sign indicates a positive value. The plus (+) sign should not be transmitted.
	ID – Identifier	An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or by other bodies that are recognized by ASC X12.
	AN – String	A string (Alphanumeric) is a sequence of any characters from the basic or extended character sets. It must contain at least one non-space character. The significant characters must be left justified. Leading spaces, if any, are assumed to be significant. Trailing spaces should be suppressed.
	DT – Date	Format for the date type is CCYYMMDD. CC is the century digits of the year (ex. 19, 20). YY is the last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31).
	TM – Time	Format for the time type is HHMMSS, expressed in 24-hour clock format. HH is the numeric value for hour (00-23), MM for minute (00-59), and SS for second (00-59).
Requirement Designator	Defines how the data element is used in a segment.	
	M – Mandatory	This element is required to appear in the segment.
	O – Optional	The appearance of this data element is at the option of the sending party or is based on a mutual agreement of the interchange parties.
	X – Relational	Relational conditions may exist between two or more data elements. If one is present the other/s is required. The relational condition is displayed under the Syntax Noted of the X12 Standards.
Data Element Length	x / x – Minimum and Maximum lengths	The number of character positions assigned to a data element. Example: Data element length of 2/10. You must have at least 2 characters but no more than 10 characters for this element (minimum of 2/ maximum of 10).
Semantic Note Designator	Z – Designator	A data element within a segment may have a designator (Z) that indicates the existence of a semantic note. Semantic notes are considered part of the standard. If a condition designator and a semantic note both affect a single data element, the condition will appear first, separated from the semantic note designator by a vertical bar ( ). The number 00 to the left of the comment identifies semantic notes that are general in nature.

## ➤ EDI Requirements

**Table 2 – EDI v. 4030 Separator Requirements**

Type	ASCII Value	EBCDIC Value	Character	Character Name
Repetition Separator	7C	4F		Pipe
Segment Terminator	5C	E0	\	Back Slash
Element Separator	7E	A1	~	Tilde
Sub-element Separator	5E	5F	^	Caret
Padding Character	20	40	Space	Space

➤ **X12 – Transaction Set 813 (TS813)**

RELEASE • 004030

TRANSACTION SET TABLES • 813

**813 Electronic Filing of Tax Return Data**FUNCTIONAL GROUP: **TF**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Electronic Filing of Tax Return Data Transaction Set (813) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by tax filers to electronically file tax returns with a federal, state, or local taxing authority and which may initiate payments related to the tax return.

**Table 1**

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	<b>ST</b>	Transaction Set Header	M	1	
	0200	<b>BTI</b>	Beginning Tax Information	M	1	
	0300	<b>DTM</b>	Date/Time Reference	M	10	
N	0400	<b>TIA</b>	Tax Information and Amount	O	1000	
	0430	<b>REF</b>	Reference Identification	O	10	
	0450	<b>TRN</b>	Trace	O	1000	
	0470	<b>BPR</b>	Beginning Segment for Payment Order/Remittance Advice	O	1000	
<b>LOOP ID - N1</b>						>1
N	0500	<b>N1</b>	Name	O	1	
	0600	<b>N2</b>	Additional Name Information	O	2	
	0700	<b>IN2</b>	Individual Name Structure Components	O	10	
	0800	<b>N3</b>	Address Information	O	2	
	0900	<b>N4</b>	Geographic Location	O	1	
	1000	<b>PER</b>	Administrative Communications Contact	O	2	

**Table 2**

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
<b>LOOP ID - TFS</b>						100000
	0100	<b>TFS</b>	Tax Form	O	1	
	0200	<b>REF</b>	Reference Identification	O	10	
	0300	<b>DTM</b>	Date/Time Reference	O	10	
	0400	<b>MSG</b>	Message Text	O	1000	
<b>LOOP ID - N1</b>						>1
N	0500	<b>N1</b>	Name	O	1	
	0600	<b>N2</b>	Additional Name Information	O	2	
	0700	<b>IN2</b>	Individual Name Structure Components	O	10	
	0800	<b>N3</b>	Address Information	O	2	
	0900	<b>N4</b>	Geographic Location	O	1	
<b>LOOP ID - TIA</b>						10000
N	0920	<b>TIA</b>	Tax Information and Amount	O	1	
	0940	<b>DTM</b>	Date/Time Reference	O	10	
	0960	<b>MSG</b>	Message Text	O	1000	
<b>LOOP ID - FGS</b>						100000
	1000	<b>FGS</b>	Form Group	O	1	
	1100	<b>REF</b>	Reference Identification	O	10	
	1200	<b>DTM</b>	Date/Time Reference	O	10	
<b>LOOP ID - N1</b>						>1
N	1300	<b>N1</b>	Name	O	1	

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**1**

## 813 • TRANSACTION SET TABLES

RELEASE • 004030

1400	<b>N2</b>	Additional Name Information	O	2		
1500	<b>IN2</b>	Individual Name Structure Components	O	10		
1600	<b>N3</b>	Address Information	O	2		
1700	<b>N4</b>	Geographic Location	O	1		
<b>LOOP ID - TIA</b>					<b>10000</b>	
N 1800	<b>TIA</b>	Tax Information and Amount	O	1		
1900	<b>DTM</b>	Date/Time Reference	O	10		
2000	<b>MSG</b>	Message Text	O	1000		

Table 3

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	<b>SE</b>	Transaction Set Trailer	<b>M</b>	1	
Changes loop repeat value in table/positions 1/0500, 2/0500 and 2/1300.						6 205299

## NOTES

- 1/0400 The TIA segment allows for tax information and amounts associated with the entire filing. At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.
- 1/0500 This N1 loop reflects names and addresses associated with the entire filing.
- 2/0500 This N1 loop reflects names and addresses associated with a particular tax form (TFS).
- 2/0920 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.
- 2/1300 This N1 loop reflects names and addresses associated with a particular subset of a tax form.
- 2/1800 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.

<sup>1</sup> Data Interchange Standards Association, Inc. (DISA)

## ➤X12 – TS813 Motor Fuels Structure Terminal Operator Overview

### Key:

Not Used by California

**Segments not used by California that are part of the Standard FTA Map**

**Table1**

Pos No	Uniform 813 Map	Header
0100	ST	Transaction Set Header
0200	BTI	Identify Tax Agency Information
0300	DTM	Tax Filing Period
0400	TIA	Version of Taxing Authority's Implementation Guide
0400	TIA	Confidential Information
0400	TIA	Total Net Reported
0430	REF	Sequence Error ID Number
0500	N1	Taxpayer Name Detail
0600	N2	Additional Taxpayer Name Detail
0800	N3	Address Detail
0900	N4	City, State, Zip Code Detail
1000	PER	General Contact Person
1000	PER	EDI Contact Person
0500	N1	Mailing Name Detail
0600	N2	Additional Mailing Name Detail
0800	N3	Mailing Address Detail
0900	N4	Mailing City State Zip Code Detail

**Table 2**

Pos No	Uniform 813 Map	TOR	SCH
0100	TFS	Terminal Operator Report	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction
<del>0200</del>	<del>REF</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
0200	REF	No Activity	
0300	DTM	Ending Inventory Date	
0500	N1		Point of Origin
0500	N1		Seller Information
0500	N1		Position Holder Information
0500	N1		Person Hiring Carrier (Consignor)
0500	N1		Carrier Information
0500	N1		Buyer/Consignee Information
0500	N1		Point of Destination
0920	TIA		
1000	FGS	Physical Inventory by Product	Bill of Lading
<del>1100</del>	<del>REF</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
1200	DTM		Bill of Lading Date
1800	TIA	Physical Inventory	Bill of Lading Net
1800	TIA		Bill of Lading Gross
1800	TIA		Bill of Lading Billed

**Table 3**

Pos No	Uniform 813 Map	Trailer
0100	SE	Transaction Set Trailer

➤ ***X12 – TS813 Motor Fuels Structure Supplier Overview*****Key:**

Not Used by California

**Segments not used by California that are part of the Standard FTA Map****Table1**

<b>Pos No</b>	<b>Uniform 813 Map</b>	<b>Header</b>
0100	<b>ST</b>	Transaction Set Header
0200	<b>BTI</b>	Identify Tax Agency Information
0300	<b>DTM</b>	Tax Filing Period
0400	<b>TIA</b>	Version of Taxing Authority's Implementation Guide
0400	<b>TIA</b>	Confidential Information
0400	<b>TIA</b>	Total Net Reported
0430	<b>REF</b>	Sequence Error ID Number
0500	<b>N1</b>	Taxpayer Name Detail
0600	<b>N2</b>	Additional Taxpayer Name Detail
0800	<b>N3</b>	Address Detail
0900	<b>N4</b>	City, State, Zip Code Detail
1000	<b>PER</b>	General Contact Person
1000	<b>PER</b>	EDI Contact Person
0500	<b>N1</b>	Mailing Name Detail
0600	<b>N2</b>	Additional Mailing Name Detail
0800	<b>N3</b>	Mailing Address Detail
0900	<b>N4</b>	Mailing City State Zip Code Detail

**Table 2**

<b>Pos No</b>	<b>Uniform 813 Map</b>	<b>SDR</b>	<b>SUM</b>	<b>SCH</b>
0100	<b>TFS</b>	Supplier/Distributor Report	Summary Information	Schedules
0200	<b>REF</b>	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	<del><b>REF</b></del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
0200	<b>REF</b>	No Activity		
0300	<b>DTM</b>	Ending Inventory Date		
0500	<b>N1</b>			Point of Origin
0500	<b>N1</b>			Seller Information
0500	<b>N1</b>			Position Holder Information
0500	<b>N1</b>			Person Hiring Carrier (Consignor)
0500	<b>N1</b>			Carrier Information
0500	<b>N1</b>			Buyer/Consignee Information
0500	<b>N1</b>			Point of Destination
0920	<b>TIA</b>	Total Due		
1000	<b>FGS</b>	Physical Inventory by Product	Summary Data	Bill of Lading
1100	<del><b>REF</b></del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
1200	<b>DTM</b>			Bill of Lading Date
1800	<b>TIA</b>	Physical Inventory	Tax Information	Bill of Lading Net
1800	<b>TIA</b>		Interest	Bill of Lading Gross
1800	<b>TIA</b>		Penalty	Bill of Lading Billed

**Table 3**

<b>Pos No</b>	<b>Uniform 813 Map</b>	<b>Trailer</b>
0100	<b>SE</b>	Transaction Set Trailer

## ➤X12 – TS813 Motor Fuels Structure Vessel/Pipeline Operator Overview

### Key:

Not Used by California

**Segments not used by California that are part of the Standard FTA Map**

**Table1**

Pos No	Uniform 813 Map	Header
0100	ST	Transaction Set Header
0200	BTI	Identify Tax Agency Information
0300	DTM	Tax Filing Period
0400	TIA	Version of Taxing Authority's Implementation Guide
0400	TIA	Confidential Information
0400	TIA	Total Net Reported
0430	REF	Sequence Error ID Number
0500	N1	Taxpayer Name Detail
0600	N2	Additional Taxpayer Name Detail
0800	N3	Address Detail
0900	N4	City, State, Zip Code Detail
1000	PER	General Contact Person
1000	PER	EDI Contact Person
0500	N1	Mailing Name Detail
0600	N2	Additional Mailing Name Detail
0800	N3	Mailing Address Detail
0900	N4	Mailing City State Zip Code Detail

**Table 2**

Pos No	Uniform 813 Map	CCR	SCH
0100	TFS	Common Carrier Report	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction
<del>0200</del>	<del>REF</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
0200	REF	No Activity	
0300	DTM		
0500	N1		Point of Origin
0500	N1		Seller Information
0500	N1		Position Holder Information
0500	N1		Person Hiring Carrier (Consignor)
0500	N1		Carrier Information
0500	N1		Buyer/Consignee Information
0500	N1		Point of Destination
0920	TIA	Total Delivered	
1000	FGS		Bill of Lading
<del>1100</del>	<del>REF</del>	<del>Sequence Error ID Number</del>	<del>Sequence Error ID Number</del>
1200	DTM		Bill of Lading Date
1800	TIA		Bill of Lading Net
1800	TIA		Bill of Lading Gross
1800	TIA		Bill of Lading Billed

**Table 3**

Pos No	Uniform 813 Map	Trailer
0100	SE	Transaction Set Trailer

➤ **X12 – TS813 Motor Fuels Map Flow**

- 0100 ST Transaction Set Header (TS 813)				Max 1
0200	BTI	Identify Tax Agency Information		
0300	DTM	Tax Filing Period		
0400	TIA	Version of Taxing Authority's Implementation Guide		
0400	TIA	Confidential Information		
0400	TIA	Total Net Reported		
0430	REF	Sequence Error ID Number		
-0500 N1 Loop Taxpayer Name Detail				Max 1
0600	N2	Additional Taxpayer Name Detail		
0800	N3	Address Detail		
0900	N4	City, State, Zip Code Detail		
1000	PER	General Contact Person		
1000	PER	EDI Contact Person		
- 0500 N1 Loop Mailing Name Detail				Max 1
0600	N2	Additional Mailing Name Detail		
0800	N3	Mailing Address Detail		
0900	N4	Mailing City, State, Zip Code Detail		
■ 0100 TFS Loop Terminal Operator Report (TOR)				
0200	REF	Relationship to the Transaction Information		
0200	REF	Sequence Error ID Number		
0200	REF	No Activity		
0300	DTM	Ending Inventory Date		
-1000 FGS Loop Physical Inventory by Product				Max 100,000
1100	REF	Sequence Error ID Number		
1800	TIA	Physical Inventory		
■ 0100 TFS Loop Supplier/Distributor Report (SDR)				
0200	REF	Relationship to the Transaction Information		
0200	REF	Sequence Error ID Number		
0200	REF	No Activity		
0300	DTM	Ending Inventory Date		
0920	TIA	Total Due		
-1000 FGS Loop Line Items From Face of Return not Derived From Schedules				Max 100,000
1100	REF	Sequence Error ID Number		
1800	TIA	Line Item Detail		
■ 0100 TFS Loop Common Carrier Report (CCR)				
0200	REF	Relationship to the Transaction Information		
0200	REF	Sequence Error ID Number		
0200	REF	No Activity		
0920	TIA	Total Delivered		
■ 0100 TFS Loop Summary Information				
0200	REF	Relationship to the Transaction information		
0200	REF	Sequence Error ID Number		
-1000 FGS Loop Summary Data				Max 100,000
1100	REF	Sequence Error ID Number		
1800	TIA	Information		
1800	TIA	Interest		
1800	TIA	Penalty		
■ 0100 TFS Loop Schedules				
0200	REF	Relationship to the Transaction information		
0200	REF	Sequence Error ID Number		
0500	N1	Point of Origin		
0500	N1	Seller Information		
0500	N1	Position Holder Information		
0500	N1	Person Hiring Carrier (Consignor)		
0500	N1	Carrier Information		
0500	N1	Buyer/Consignee Information		
0500	N1	Point of Destination		
-1000 FGS Loop Bill Lading				Max 100,000
1100	REF	Sequence Error ID Number		
1200	DTM	Bill of Lading Date		
1800	TIA	Bill of Lading Net		
1800	TIA	Bill of Lading Gross		
1800	TIA	Bill of Lading Billed		
- 0100 SE Transaction Set Trailer				

Maximum Number of TFS Loops = 100,000

Maximum Number of TFS Loops = 100,000

<sup>2</sup> Federation of Tax Administrators – Motor Fuel Uniformity EC Guide

## ➤X12 – TS813 Motor Fuels Reporting Map

### Key:

Not Used in FTA Map

Notes

Not Used by California

Syntax Notes

**Not used: no data to transmit****Note: important to read all notes****~~Segments, Elements and Codes not used by California that are part of the Standard FTA Map~~****Translation Syntax Requirements – The California translator will enforce these rules.**

**Table 3 – EDI v. 4030 Interchange Segment**

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref#	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
ISA01	I01		M	Authorization Information Qualifier	ID	2	2	<del>“00” = No Authorization Information Present (No Meaningful Information In Isa02)</del> “03” = Additional Data Identification
ISA02	I02		M	Authorization Information	AN	10	10	Enter the 10-character Authorization Code provided to the filer by the BOE
ISA03	I03		M	Security Information Qualifier	ID	2	2	<del>“00” = No Security Information Present (No Meaningful Information In ISA 04)</del> “01” = Password
ISA04	I04		M	Security Information	AN	10	10	Enter the 10-character Password provided by the filer to the BOE in the filer’s Trading Partner Agreement.
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	“32” = the Interchange Sender ID Qualifier for the sender’s FEIN
ISA06	I06		M	Interchange Sender ID	AN	15	15	Sender’s FEIN plus 6 spaces [xxxxxxxxxx ]
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	“01” = DUNS
ISA08	I07		M	Interchange Receiver ID	AN	15	15	“617856943 ” = BOE DUNS number plus 6 trailing spaces. The spaces are required.
ISA09	I08		M	Interchange Date	DT	6	6	“YYMMDD” = Date Of The Interchange
ISA10	I09		M	Interchange Time	TM	4	4	“HHMM” = Time Of The Interchange
ISA11	I65		M	Repetition Separator		1	1	“ ” (Pipe) = EBCDIC – 4F HEX or ASCII – 7C HEX
ISA12	I11		M	Interchange Control Version Number	ID	5	5	“00403” = Draft standards for trial use approved for publication by ASC X12 procedures review board through 10/99.
ISA13	I12		M	Interchange Control Number	N0	9	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in IEA02.
ISA14	I13		M	Acknowledgement Requested	ID	1	1	“0” = No ISA Acknowledgement Required <del>“1” = ISA Acknowledgement Required</del>
ISA15	I14		M	Usage Indicator	ID	1	1	“P” = Production Data “T” = Test Data
ISA16	I15		M	Component Sub-Element Separator		1	1	“^” (Caret) = EBCDIC – 5F HEX or ASCII – 5E HEX
ISA~03~T5ZXM54W23~01~CA67MFFILE~32~757654321 ~01~617856943 ~010630~0931~ ~00403~000001001~0~T~^\\								
<b>SYNTAX NOTES:</b>								
ISA05 Value 32 (FEIN Qualifier) is required.								
ISA06 Sender FEIN is required.								
ISA09 does not include the century based on the ANSI ASC X.12 Standard.								

**Table 4 – EDI v. 4030 Functional Group Segment**

<b>Functional Group Segment</b>								<b>(Required)</b>
<b>Element ID</b>	<b>Elem. Ref #</b>	<b>Sub-Ele Ref#</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>
						<b>Min.</b>	<b>Max.</b>	
GS01	479		M	Functional Identifier Code	ID	2	2	“TF” = Electronic Filing Of Tax Return Data (TS813)
GS02	142		M	Application Sender’s Code	AN	2	15	Code identifying party sending transmission. Code assigned by sender and agreed to by trading partner.
GS03	124		M	Application Receiver’s Code	AN	2	15	“617856943050” = BOE DUNS Number plus 050 for Fuel Industry Section.
GS04	373		M/Z	Date	DT	8	8	“CCYYMMDD” = Date
GS05	337		M/Z	Time	TM	4	8	“HHMMSSDD” = Time
GS06	28		M/Z	Group Control Number	N0	1	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in GE02.
GS07	455		M	Responsible Agency Code	ID	1	2	“X” = ASC X12
GS08	480		M	Version/ Release / Industry Identifier Code	AN	1	12	“004030” = Draft standards approved for publication by ASC X12 procedures review board through 10/99.
GS~TF~COMPANYROUTING ~617856943050~20010630~0931~1101~X~004030\								
<b>SYNTAX NOTES:</b>								
None								

**Table 5 – EDI v. 4030 Beginning of Transaction Set Segment**

<b>Beginning of Transaction Set Header Segment</b>								<b>(Required) Pos. No. 0100</b>
<b>Element ID</b>	<b>Elem. Ref #</b>	<b>Sub-Ele Ref #</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>
						<b>Min</b>	<b>Max</b>	
ST01	143		M	Transaction Set Code	ID	3	3	“813” = Transaction Set Type
ST02	329		M	Transaction Set Control Number	AN	4	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in SE02.
ST~813~12345\								
<b>SYNTAX NOTES:</b>								
None								

Table 6 – EDI v. 4030 Return Header Segments

Identify Tax Agency Information Begin Tax Information Segment								(Required) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
BTI01	128		M	Reference Number Qualifier	ID	2	2	"T6" = Defines as Tax Filing
BTI02	127		M	Reference Number	AN	3	3	"050" = All Fuels Tax Filings
BTI03	66		M	ID Code Qualifier	ID	2	2	"47" = Tax Authority
BTI04	67		M	ID Code	AN	2	20	"617856943050" = BOE DUNS Number plus 050 for Fuels Industry Section
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date
<del>BTI06</del>	<del>818</del>		<del>O</del>	<del>Name Control ID</del>	<del>AN</del>	<del>4</del>	<del>4</del>	<del>First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*".</del>
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number "34" = Social Security Number
BTI08	67		X	ID Code	AN	9	9	Taxpayer's FEIN or SSN
BTI09	66		X	ID Code Qualifier	ID	2	2	"49" = State (assigned) Identification Number
BTI10	67		X	ID Code	AN	2	20	BOE Account Number
<del>BTI11</del>	<del>66</del>		<del>X</del>	<del>ID Code Qualifier</del>	<del>ID</del>	<del>2</del>	<del>2</del>	<del>"48" = IRS Electronic Filer ID Number</del>
<del>BTI12</del>	<del>67</del>		<del>X</del>	<del>ID Code</del>	<del>AN</del>	<del>9</del>	<del>15</del>	<del>637 Permit Number</del>
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Options: "00" = Original "05" = Replace (with prior approval from BOE) "15" = Resubmission
BTI14	640		O	Transaction Type Code	ID	2	2	Options: "6R" = Resubmission "6S" = Supplemental "CO" = Corrected

BTI~T6~050~47~617856943050~20010630~~24~987654321~49~99999999~~~00\

**SYNTAX NOTES:**

07 P0708 - If either BTI07 or BTI08 is present, then the other is required.

09 P0910 - If either BTI09 or BTI10 is present, then the other is required.

~~11 P1112 - If either BTI11 or BTI12 is present, then the other is required.~~

BTI07 must be the FEIN if the taxpayer has one. Submit a SSN only for sole proprietorships that have not been issued a FEIN.

The application of BTI13 and BTI14 are as follows: BTI13 should be used when the taxpayer transmits its initial return or report (BTI13 should be used without BTI14); BTI14 should be used when the taxpayer transmits modifications to the return or report (BTI14 should be used without BTI13).

Element	Application
BTI13 [Initial Return]	
"00" = Original	Use "Original" when you first attempt to transmit your return to the Department, whether or not the Department receives your return.
"05" = Replace	Use "Replace" when first attempt of transmitted return had corrupted data. You may replace a filing only after receiving approval from the BOE.
"15" = Resubmission	Use "Resubmission" when the Department did not receive the first transmission attempt of your return or report.

Element	Application
BTI14 [Amended Return]	
“CO” = Corrected	Use “Corrected” when adjusting or correcting original or amended return.
“6R” = Resubmission	Use “Resubmission” when first attempt to transmit amended return was not received by the Department.
“6S” = Supplemental	Use “Supplemental” when transmitting new or additional data not included in original or amended return.

Tax Filing Period Date/Time Reference Segment								(Required) Pos. No. 0300
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3	“194” = Tax Period End Date “683” = Filing Period
<del>DTM02</del>	<del>373</del>		<del>X</del>	<del>Date</del>	<del>DT</del>	<del>8</del>	<del>8</del>	<del>“CCYYMMDD” = Tax Filing Period End</del>
<b>DTM03 and DTM04 are not used.</b>								
DTM05	1250		X	Date Time Period Format Qualifier	ID	3	3	“RD8” = Range of Dates
DTM06	1251		X	Date Time Period	AN	17	17	“CCYYMMDD-CCYYMMDD” = Tax Filing Period Beginning and Ending Dates
DTM~683~~~RD8~20010501-20010531\								
<b>SYNTAX NOTES:</b>								
02 R020305 - At least one of DTM02 or DTM05 is required.								
05 P0506 - If either DTM05 or DTM06 is present, then the other is required.								
<del>If qualifier “194” is used in DTM01, then DTM05 and DTM06 are not used.</del>								
If qualifier “683” is used in DTM01, DTM05 and DTM06 are required.								

Version of Taxing Authority’s Implementation Guide Tax Information and Amount Segment								(Required) Pos. No. 0400
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817	817	M	Tax Information Code	AN	4	4	“5000” = Version of Taxing Authority’s Implementation Guide.
<b>TIA02 is not used.</b>								
TIA03	449		X	Fixed Format Information	AN	1	5	“1.0” = Version of BOE’s Electronic Filing Guide
TIA~5000~~1.0\								
<b>SYNTAX NOTES:</b>								
02 R0203040607 - TIA03 is required.								
This segment will help the receiver of the data determine if the sender is using an old guide or the most current guide for the data transmission.								

Confidential Data Tax Information and Amount Segment								(Optional) Pos. No. 0400
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information Code	AN	4	4	“5010” = Confidential Information
<del>TIA02 is not used.</del>								
TIA03	449		X	Fixed Format Information	AN	4	15	User defined: Example: “6103” = IRS 6103 data
This segment is used only between the states and the IRS								

Total Net Reported Tax Information and Amount Segment								(Required) Pos. No. 0400
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information Code	AN	4	4	TIA Code "5001" = Total Net Reported or "5007" = Billed
<b>TIA02 and TIA03 are not used.</b>								
TIA04	380		X	Quantity	R	1	15	Total Number of Gallons in Tax Filing
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters
TIA~5001~~~7940294~GA\								
<b>SYNTAX NOTES:</b>								
01	Use TIA Code 5001 when filing the Terminal Operator Information Report or Vessel/Pipeline Operator Report. Use TIA Code 5007 when filing the Supplier Returns.							
02	R0203040607 - TIA04 is required.							
04	Enter the Total Number of Gallons in the reporting, rounded to the nearest whole gallon.							
04	Compute the gallons for this check value as follows: Vessel/Pipeline Operator Report – Add the total net gallons from Schedule PD to Total Net Transported gallons reported in the CCR section. Terminal Operator Information Report – Add the total net gallons from Schedule TR and TD to Ending Inventory gallons reported in the TOR section. Supplier Returns – Add the total billed gallons from the SUM (Summary) section and the various Receipt and Disbursement detail schedules.							
05	C0504 - If TIA05 is present, then TIA04 is required.							
Even though the total gallons in the tax filing can be calculated, it must be provided as a control figure to verify that the amount calculated by the Tax Authority is the same as what the information provider calculated.								

Sequence Error ID Number Reference Number Segment								(Required) Pos. No. 0430
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	428		M	Reference Identification Qualifier	ID	2	2	06 = Sequence Error ID Number
REF02	427		X	Reference Identification	AN	4	7	Sequence Error ID Number

Name Detail Name Segment								(Required) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer or "L9" = Information Provider
N102	93		X	Name	AN	1	35	Name
N1~TP~ABC Supplier Company\ or N1~L9~ABC Terminal Company\								
<b>SYNTAX NOTES:</b>								
02	R0203 - N102 is required.							
N101: Use "TP" for a Supplier filing. Use "L9" for a Terminal Operator or Vessel/Pipeline Operator filing.								

Additional Taxpayer Name Detail								(Optional)
Additional Name Segment								Pos. No. 0600
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N201	93		M	Name	AN	1	35	Name
N202	93		O	Name	AN	1	35	Name
N2~A Terminal Company\								
or								
N2~Alpha Terminal Company~Alpha Seaport Terminal\								
<b>SYNTAX NOTES:</b>								
None								
<b>N201 and N202: Use these elements to provide additional name detail such as a DBA, etc.</b>								

Address Detail								(Required)
Address Information Segment								Pos. No. 0800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N301	166		M	Address Information	AN	1	35	First Line Street Address
N302	166		O	Address Information	AN	1	35	Second Line Street Address
N3~48 Washington St\								
or								
N3~48 Washington St~120 Trinity St\								
<b>SYNTAX NOTES:</b>								
None								

City, State, Zip Code Detail								(Required)
Location Geographic Segment								Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N401	19		O	City Name	AN	2	30	Name of City
N402	156		X	State code or Province	ID	2	2	State or Province Abbreviation
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code
N404	26		X	Country	ID	2	2	Country Abbreviation (United States = US)
N4~Any Town~CA~25421-5555~US\								
<b>SYNTAX NOTES:</b>								
None								

General Contact Person								(Required)
Administrative Communications Contact Segment								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
PER01	366		M	Contact Function Code	ID	2	2	"CN" = General Contact
PER02	93		O	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	E-mail Address

PER~CN~Jon J. Doe~TE~91655599991234~FX~9165559990~EM~jjdoe@abcterminal.com\

**SYNTAX NOTES:**

03 P0304 - If either PER03 or PER04 is present, then the other is required.

05 P0506 - If either PER05 or PER06 is present, then the other is required.

07 P0708 - If either PER07 or PER08 is present, then the other is required.

EDI Contact Person								(Required)
Administrative Communications Contact Segment								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
PER01	366		M	Contact Function Code	ID	2	2	"EA" = EDI Coordinator
PER02	93		O	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	E-mail Address

PER~EA~Bob T. Doe~TE~91655599991235~FX~9165559990~EM~bt DOE@abcterminal.com\

**SYNTAX NOTES:**

03 P0304 - If either PER03 or PER04 is present, then the other is required.

05 P0506 - If either PER05 or PER06 is present, then the other is required.

07 P0708 - If either PER07 or PER08 is present, then the other is required.

**The following segments are required if the mailing address is different than the physical address.**

Mailing Name Detail								(Optional)
Name Segment								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"31" = Postal Mailing
N102	93		X	Name	AN	1	35	Mailing Name

Mailing Additional Name Detail								(Optional)
Additional Name Segment								Pos. No. 0600
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N201	93		M	Name	AN	1	35	Mailing Name
N202	93		Θ	Name	AN	1	35	Mailing Name

<b>Mailing Address Detail (Optional)</b>									
<b>Address Information Segment Pos. No. 0800</b>									
<b>Element ID</b>	<b>Elem Ref #</b>	<b>Sub-El Ref #</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>	
						<b>Min</b>	<b>Max</b>		
N301	166		M	Address Information	AN	1	35	First Line Street Address	
N302	166		O	Address Information	AN	1	35	Second Line Street Address	

<b>Mailing City, State, Zip Code Detail (Optional)</b>									
<b>Location Geographic Segment Pos. No. 0900</b>									
<b>Element ID</b>	<b>Elem Ref #</b>	<b>Sub-El Ref #</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>	
						<b>Min</b>	<b>Max</b>		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		X	State code or Province	ID	2	2	State or Province Abbreviation	
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code	
N404	26		X	Country	ID	2	2	"US" = Country Abbreviation (United States)	

End of Transaction Set Header

**Table 7 – EDI v. 4030 Terminal Operator Report (TOR) Segments**

The TOR loop contains the Ending Inventory for the Terminal reported in this filing. Detailed transactions associated with the TOR are located in the Schedule loops of this map.

Repeat the FGS loop for each reportable product, thereby reporting inventory by product code.

Beginning of Terminal Operator Report Tax Form Segment								(Required) Pos. No. 0100
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TFS01	128		M	Reference Identification Qualifier	ID	2	2	“T2” = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	30	“TOR” = Terminal Operator Report
TFS03 and TFS04 are not used								
TFS05	66		X	ID Code Qualifier	ID	2	2	“TC” = IRS Terminal Code
TFS06	67		X	ID Code	AN	9	9	IRS Terminal Control Number (TCN)
TFS~T2~TOR~~~TC~T33CA1111\								
SYNTAX NOTES:								
05      P0506 - If either TFS05 or TFS06 is present, then the other is required.								

Relationship to the Transaction Information							(Required) Pos. No. 0200	
Reference Segment								
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	“SU” = Special Processing
REF02	127		X	Reference Identification	AN	3	3	<del>“IRS” = IRS Data</del> “N/A” = If not applicable to the IRS
REF03 Not used								
REF04	C040	128	M	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation to which the data belongs.
REF06	C040	128	X	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF~SU~N/A~~S0^CA\								
SYNTAX NOTES:								
02 R0203 - REF02 is required.								
REF02, REF05 and REF07 represent the taxing authorities and its relationship to the information in this TFS loop.								
REF05 – REF07 use the sub-element separator. Example: REF~SU~N/A~~SO^CA^SO^NV\								

<b>Sequence Error ID Number Reference Number Segment</b>								<b>(Required) Pos. No. 0200</b>	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description	
REF01	128		M	Reference Identification Qualifier	ID	2	2	“06” = Sequence Error ID Number	
REF02	127		X	Reference Identification	AN	1	7	Sequence Error ID Number	

**Condition 1 - If account has no activity this segment is required. The Condition 2 DTM and FGS are not used.**

No Activity Reference Number Segment								(Conditional) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Activity
REF~BE~1\								
<b>SYNTAX NOTES:</b>								
02 R0203 - REF02 is required.								

**Condition 2 - If account has activity the DTM and FGS segments are required. The Condition 1 REF is not used. This FGS loop contains inventory information. The FGS loop repeated when the product code value changes.**

Ending Inventory Date Date/Time Reference Segment								(Conditional) Pos. No. 0300
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184" = Inventory Date
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
DTM~184~20010531\								
<b>SYNTAX NOTES:</b>								
02 R020305 - DTM02 is required.								

Physical Inventory by Product Form Group Segment								(Conditional) Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
FGS01	350		M	Assigned Identification	AN	2	2	"EI" = Ending Inventory
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
FGS03	127		X	Reference Identification	AN	3	3	Product Code See <a href="#">Product Codes</a> list in Appendix A
FGS~EI~PG~065\								
<b>SYNTAX NOTES:</b>								
02 P0203 - If either FGS02 or FGS03 is present, then the other is required.								

Sequence Error ID Number Reference Number Segment								(Required) Pos. No. 1100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"06" = Sequence Error ID Number
REF02	127		X	Reference Identification	AN	4	7	Sequence Error ID Number

Inventory								(Required if FGS is Used)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5002" = Ending Physical Inventory
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>
TIA~5002~~~3500000~GA\								
<b>SYNTAX NOTES:</b>								
02 R0203040607 - TIA04 is required.								
04 Enter Ending Net Physical Inventory rounded to the nearest whole gallon.								
05 C0504 - If TIA04 is present, then TIA05 is required.								
Ending Physical Inventory is the only value reported. All other information is derivable from schedules.								

End of FGS loop (Line item detail)

End of TFS loop (TOR detail)

**Table 8 – EDI v. 4030 Supplier/Distributor Report (SDR) Segments**

The TFS loop contains information for the Supplier Fuel Tax Return. Details associated with this filing are located in the summary and schedule loops.

Beginning of Supplier/Distributor Report Detail								(Required)
Tax Form Segment								Pos. No. 0100
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TFS01	128		M	Reference Identification Qualifier	ID	2	2	“T2” = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	30	“SDR” = Supplier/Distributor Report
TFS~T2~SDR\								
SYNTAX NOTES:								
None								

Relationship to the Transaction Information Reference Segment								(Required) Pos. No. 0200
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	“SU” = Special Processing
REF02	127		X	Reference Identification	AN	3	3	<del>“IRS” = IRS Data</del> “N/A” = If not applicable to the IRS
REF03 Not used								
REF04	C040	128	M	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF06	C040	128	X	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF~SU~N/A~~S0^CA\								
SYNTAX NOTES:								
02        R0203 - REF02 is required.								
REF02, REF05 and REF07 represent the taxing authorities and its relationship to the information in this TFS loop.								
REF05 – REF07 use the sub-element separator. Example: REF~SU~N/A~~SO^CA^SO^NV\								

<b>Sequence Error ID Number Reference Number Segment</b>								<b>(Required) Pos. No. 0200</b>	
<b>Element ID</b>	<b>Elem Ref. #</b>	<b>Sub-Ele Ref. #</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>	
						<b>Min</b>	<b>Max</b>		
REF01	128		M	Reference Identification Qualifier	ID	2	2	“06” = Sequence Error ID Number	
REF02	127		X	Reference Identification	AN	1	7	Sequence Error ID Number	

**Condition 1 - If account has no activity the REF is required. The Condition 2 TIA is not used.**

No Activity Reference Number Segment								(Conditional) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Activity
REF~BE~1\								
<b>SYNTAX NOTES:</b>								
02 R0203 - REF02 is required.								

**Condition 2 - If account has activity the TIA is required. The Condition 1 REF is not used.**

Ending Inventory Date Date/Time Reference Segment								(Conditional) Pos. No. 0300
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184" = Inventory Date
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
Use this segment when reporting ending inventory in the FGS Loop for the supplier/distributor.								

Total Due Tax Information and amount Segment								(Conditional) Pos. No. 0920
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5003" = Total Due
TIA02	782		X	Monetary Amount	R	1	15	Whole Dollar Amount
TIA03 is not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters
TIA~5003~1000000\								
<b>SYNTAX NOTES:</b>								
02 R0203040607 - TIA02 is required.								
02 Total Due is the sum of total tax owed for the period, plus applicable interest and penalties, in whole dollars.								

Physical Inventory by Product Form Group Segment								(Conditional) Pos. No. 1000
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
FGS01	350		M	Assigned Identification	AN	2	2	"BI" = Beginning Inventory "EI" = Ending Inventory
FGS02	428		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
FGS03	427		X	Reference Identification	AN	2	3	Product Code
This FGS allows looping to report inventory by product. Repeat this loop (a single TIA per FGS) as many times as needed to complete reporting requirements.								

Sequence Error ID Number Reference Number Segment								(Required) Pos. No. 1100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	428		M	Reference Identification Qualifier	ID	2	2	06 = Sequence Error ID Number
REF02	427		X	Reference Identification	AN	1	7	Sequence Error ID Number

Inventory								(Required if FGS is Used)	
Tax Information and Amount Segment								Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	817		M	Tax Information ID Number	AN	4	4	“5002” = Physical Inventory	
TIA02 TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	355		M	Unit of Measurement Code	ID	2	2	“GA” = Gallons “LT” = Liter	
Physical Inventory is the only value passed in this loop. All other information is derivable from schedules.									

End of FGS loop (Line item detail)

End of TFS loop (SDR detail)

**Table 9 – EDI v. 4030 Common Carrier Report (CCR) (Vessel/Pipeline Operator Report) Segments**

The CCR loop contains the total gallons transported by a Vessel/Pipeline Operator for this filing. Detailed transactions associated with the CCR are located in the Schedule loops of this map.

<b>Beginning of Common Carrier Report Tax Form Segment</b>								<b>(Required) Pos. No. 0100</b>
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	30	"CCR" = Vessel/Pipeline Operator Report
TFS~T2~CCR\								
<b>SYNTAX NOTES:</b>								
None								

<b>Relationship to the Transaction Information Reference Segment</b>								<b>(Required) Pos. No. 0200</b>
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"SU" = Special Processing
REF02	127		X	Reference Identification	AN	3	3	<del>IRS = IRS Data</del> N/A = If not applicable to the IRS
REF03 Not used								
REF04	C040	128	M	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF06	C040	128	X	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF~SU~N/A~~S0^CA\								
<b>SYNTAX NOTES:</b>								
02      R0203 - REF02 is required.								
REF02, REF05 and REF07 represent the taxing authorities and its relationship to the information in this TFS loop.								
REF05 – REF07 use the sub-element separator. Example: REF~SU~N/A~~SO^CA^SO^NV\								

<b>Sequence Error ID Number Reference Number Segment</b>								<b>(Required) Pos. No. 0200</b>
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	06 – Sequence Error ID Number
REF02	127		X	Reference Identification	AN	4	7	Sequence Error ID Number

**Condition 1 - If account has no activity the REF is required. The Condition 2 TIA is not used.**

No Activity Reference Number Segment								(Conditional) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
REF01	128		M	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Activity
REF~BE~1\								
<b>SYNTAX NOTES:</b>								
02 R0203 - At least one of REF02 or REF03 is required.								

**Condition 2 - If account has activity the TIA is required. The Condition 1 REF is not used.**

Total Delivered Tax Information and Amount Segment								(Conditional) Pos. No. 0920
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5004" = Total Net Transported
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>
TIA~5004~~~10000000~GA\								
<b>SYNTAX NOTES:</b>								
02 R0203040607 - TIA04 is required.								
04 Enter Total Net Gallons Transported rounded to the nearest whole gallons.								
05 C0504 - If TIA04 is present, then TIA05 is required.								

**End of TFS loop (CCR detail)**

**Table 10 – EDI v. 4030 Summary Information Segments**

This TFS loop begins the summary information. This section is used to report information that cannot be derived from the transaction schedules. It is repeated when one of the following values change: TFS02 - Summary Code or TFS 04 - Product Code.

If there are no transactions to report in this filing, it is not necessary to transmit a Summary TFS loop.

<b>Beginning of Summary Information Tax Form Segment</b>								<b>(Required) Pos. No. 0100</b>
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code
TFS02	127		M	Reference Identification	AN	1	6	TFS02 Summary Code See <a href="#">Schedule and Summary Codes</a> list in <b>Appendix B</b>
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
TFS04	127		X	Reference Identification	AN	2	3	Product Code See <a href="#">Product Codes</a> list in <b>Appendix A</b>
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode
TFS06	67		X	Identification Code	AN	2	2	"CE" = Transaction Type Mode Code
TFS~T3~S02A~PG~065~94~CE\								
<b>SYNTAX NOTES:</b>								
03 P0304 - If either TFS03 or TFS04 is present, then the other is required.								
05 P0506 - If either TFS05 or TFS06 is present, then the other is required.								
<b>THE FOLLOWING RULE APPLIES WHEN REPORTING TAX, INTEREST AND PENALTIES:</b>								
01 TFS01 and TFS02 are required.								
05 P0506 - If either TFS05 or TFS06 is present, then the other is required.								
Example 1: TFS~T3~S02~~~94~CE\								
Example 2: TFS~T3~S02A~PG~167~94~CE\								

<b>Relationship to the Transaction Information Reference Segment</b>								<b>(Required) Pos. No. 0200</b>
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"SU" = Special Processing
REF02	127		X	Reference Identification	AN	3	3	IRS – IRS Data N/A = If not applicable to the IRS
REF03 Not used								
REF04	C040	128	M	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF06	C040	128	X	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF~SU~N/A~~S0^CA\								
<b>SYNTAX NOTES:</b>								
02 R0203 - REF02 is required.								
REF02, REF05 and REF07 represent the taxing authorities and its relationship to the information in this TFS loop.								
REF05 – REF07 use the sub-element separator. Example: REF~SU~N/A~~S0^CA^S0^NV\								

Sequence Error ID Number (Required)							
Reference Number Segment Pos. No. 0200							
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2
REF02	127		X	Reference Identification	AN	1	7

Summary Data (Required)							
Forms Group Segment Pos. No. 1000							
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max	
FGS01	350		M	Assigned Identification	AN	1	1

**SYNTAX NOTES:**  
None

Sequence Error ID Number (Required)							
Reference Number Segment Pos. No. 1100							
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2
REF02	127		X	Reference Identification	AN	1	7

Information (Required)							
Tax Information and Amount Segment Pos. No. 1800							
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max	
TIA01	817		M	Tax Information ID Number	AN	4	4
TIA02	782		X	Monetary Amount	R	1	15
TIA03 are not used.							
TIA04	380		X	Quantity	R	1	15
TIA05	355		M	Unit of Measurement Code	ID	2	2

TIA~5007~100180~~556556~GA\

**SYNTAX NOTES:**

02 R0203040607 - At least one of TIA02 or TIA04 is required.

05 C0504 - If TIA04 is present, then TIA05 is required.

**THE FOLLOWING RULE APPLIES WHEN REPORTING TAXABLE GALLONS AND TAX DUE:**

02 TIA02 is required. Enter total tax due for this filing rounded to the nearest whole dollar.

04 TIA04 is required. Enter taxable gallons for this filing rounded to the nearest whole gallon.

Example: TIA~5007~100891~~560504~GA\

Interest								(Required)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5008" = Interest
TIA02	782		X	Monetary Amount	R	1	15	Whole Dollar Amount

TIA~5008~1002\

**SYNTAX NOTES:**

02 R0203040607 - TIA02 is required when reporting interest due.

02 Enter the computed Interest Due rounded to the nearest whole dollar.

02 Interest due on a late filing is computed as follows:  
 "Remaining Tax Due" x "Monthly Interest Factor" x "No. of Months Late" = "Interest Due"  
 (Remaining Tax Due is the total tax due less any amounts prepaid prior to the due date of the return.)  
 (Monthly Interest Factor is the Annual Interest Rate ÷ 12. Contact the BOE to obtain the current factor. )  
 (No. of Months Late is the number of months computed from the due date of the return being filed. A partial month is rounded up to count as a whole month.)

Penalty								(Required)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5009" = Penalty
TIA02	782		X	Monetary Amount	R	1	15	Whole Dollar Amount

TIA~5008~10018\

**SYNTAX NOTES:**

02 R0203040607 - TIA02 is required when reporting penalty due.

02 Enter the amount of applicable penalty, rounded to the nearest whole dollar.

02 10% Penalty Due on a late filing is computed as follows:  
 "Remaining Tax Due" x "0.10 (10%)" = "Penalty Due"

End of TFS loop (SUM Section)

**Table 11 – EDI v. 4030 Schedule Segments**

This TFS loop begins the transaction detail. The TFS loop is repeated when one of the following values change: Schedule Code, Product Code, Mode Code, Relationship, Origin, Seller, Position Holder, Consignor, Carrier, Buyer/Consignee or Destination.

If there are no transactions to report in this filing, it is not necessary to transmit a Schedules TFS loop. It is implied that there is no activity in this filing.

Beginning of Schedules Tax Form Segment								(Required) Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TFS01	128		M	Reference Identification Qualifier	ID	2	2	“T3” = Tax Schedule Code	
TFS02	127		M	Reference Identification	AN	1	6	Schedule Type Code See <a href="#">Schedule and Summary Codes</a> list in <b>Appendix B</b>	
TFS03	128		X	Reference Identification Qualifier	ID	2	2	“PG” = Product Group	
TFS04	127		X	Reference Identification	AN	2	3	Product Code See <a href="#">Product Codes</a> list in <b>Appendix A</b>	
TFS05	66		X	Identification Code Qualifier	ID	2	2	“94” = Mode	
TFS06	67		X	Identification Code	AN	2	2	Mode Code See <a href="#">Transaction Type Mode Codes</a> list in <b>Appendix D</b>	
TFS~T3~5~PG~065~94~J \									
SYNTAX NOTES:									
03	P0304 - If either TFS03 or TFS04 is present, then the other is required.								
05	P0506 - If either TFS05 or TFS06 is present, then the other is required.								

Relationship to the Transaction Information							(Required) Pos. No. 0200	
Reference Segment								
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	“SU” = Special Processing
REF02	127		X	Reference Identification	AN	3	3	<del>IRS – IRS Data</del> N/A = If not applicable to the IRS
REF03 Not used								
REF04	C040	128	M	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF06	C040	128	X	Reference Identification Qualifier	ID	2	2	“S0” = Special Approval (S Zero)
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation to which the data belongs
REF~SU~N/A~~S0^CA\								
SYNTAX NOTES:								
02 R0203 - REF02 is required.								
REF02, REF05 and REF07 represent the taxing authorities and its relationship to the information in this TFS loop.								
REF05 – REF07 use the sub-element separator. Example: REF~SU~N/A~~SO^CA^SO^NV\								

<b>Sequence Error ID Number Reference Number Segment</b>								<b>(Required) Pos. No. 0200</b>	
<b>Element ID</b>	<b>Elem Ref #</b>	<b>Sub-Ele Ref #</b>	<b>Field Status</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Length</b>		<b>Field Description</b>	
						<b>Min</b>	<b>Max</b>		
REF01	128		M	Reference Identification Qualifier	ID	2	2	06 – Sequence Error ID Number	
REF02	127		X	Reference Identification	AN	1	7	Sequence Error ID Number	

**For Point of Origin/Terminal: (One of the following Options is Required)**

Use Option 1 when the origin is a Terminal.

Use Option 2 when the origin is located inside or outside the State of California and is not an IRS approved terminal.

~~Use Option 3 when the origin is located in Your State and is a Non Terminal and facility ID is used by state.~~**Option 1**

Point of Origin Name Segment 1								(One of the two options is Required) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"OT" = Origin Terminal
N102 is not used.								
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (contact the IRS for a complete listing of approved terminals)
N1~OT~~TC~T33CA1111\								
<b>SYNTAX NOTES: (This segment is used if the origin is an IRS approved terminal.)</b>								
02 R0203 - N103 is required.								
03 P0304 - If either N103 or N104 is present, then the other is required.								

**Option 2**

Point of Origin Name Segment 1								(One of the two options is Required) Pos. No. 050
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"SF" = Ship From
N102	93		X	Name	AN	2	2	See <a href="#">Postal Abbreviations</a> for list of codes.
N1~SF~OR\								
<b>SYNTAX NOTES: (This segment is used if the origin is not an IRS approved terminal.)</b>								
02 R0203 - N102 is required.								

Point of Origin Name Segment 1								(Optional) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N401	19		O	City Name	AN	2	30	Name of City
N402	156		X	State or Province Code	ID	2	2	State or Providence Abbreviation
N403	116		O	Postal Code	ID	3	11	ZIP or ZIP plus 4 Code

**Option 3**

Point of Origin Name Segment 1								(One of the three options is Required) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"WO" = Storage Facility at Origin
N102 is not used.								
N103	66		X	Identification Code Qualifier	ID	2	2	"FA" = Facility Identification
N104	67		X	Identification Code	AN	2	20	Facility/License Number

Seller Information								(Required)
Name Segment 2								Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party
N102	93		X	Name	AN	1	35	Seller's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = BOE Account Number
N104	67		X	Identification Code	AN	9	9	Seller's FEIN or SSN or BOE Account Number

N1~SE~ABC Oil Company~24~123456789\

**SYNTAX NOTES: (This segment is used for reporting seller information on Schedules 3A and 3X (receipts) of the Supplier Returns.)**

02 R0203 - N102 and N103 are required.

03 P0304 - If either N103 or N104 is present, then the other is required.

04 If entering BOE Account Number enter the number with a leading 0 (zero).

Example: N1~SE~ABC OIL COMPANY~49~099999999\

Position Holder Information								(Required)
Name Segment 3								Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"ON" = Position Holder
N102	93		X	Name	AN	1	35	Position Holder's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = BOE Account Number "FI" = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	9	Position Holder's FEIN or SSN or BOE Account Number or IRS 637 Number

N1~ON~123 Position Holder Oil Co~24~234567891\

**SYNTAX NOTES: (This segment is used for reporting position holder information on Schedule TD of the Terminal Operator Report and the various disbursement schedules of the Supplier Returns.)**

02 R0203 - N102 and N103 are required.

03 P0304 - If either N103 or N104 is present, then the other is required.

04 If entering BOE Account Number enter the number with a leading 0 (zero).

Example: N1~ON~123 Position Holder Oil Co~49~099999999\

Person Hiring Carrier (Consignor) Name Segment 4								(Required) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"CI" = Consignor (Person Hiring the Carrier)
N102	93		X	Name	AN	1	35	Consignor Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = BOE Account Number
N104	67		X	Identification Code	AN	9	9	Consignor's (Person Hiring the Carrier) FEIN or SSN or BOE Account Number

N1~CI~123 Position Holder Oil Co~24~234567891\

**SYNTAX NOTES: (This segment is used for reporting consignor information on Schedule PD of the Vessel/Pipeline Operator Report.)**

**02** R0203 - N102 and N103 are required.

**03** P0304 - If either N103 or N104 is present, then the other is required.

**04** If entering BOE Account Number enter the number with a leading 0 (zero).

Example: N1~CI~123 Position Holder Oil Co~49~099999999\

Carrier Information Name Segment 5								(Required) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
N101	98		M	Entity Identification Code	ID	2	2	"CA" = Carrier Name
N102	93		X	Name	AN	1	35	Carrier Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = BOE Account Number
N104	67		X	Identification Code	AN	9	9	Carrier's FEIN or SSN or BOE Account Number

N1~CA~DEF Carrier Company~24~345678912\

**SYNTAX NOTES: (This segment is used on all reports and returns.)**

**02** R0203 - N102 is required.

**03** N103 is required for bulk transactions and is requested for non-bulk transactions.

**03** P0304 - If either N103 or N104 is present, then the other is required.

**04** If entering BOE Account Number enter the number with a leading 0 (zero).

Example: N1~CA~DEF Carrier Company~49~099999999\

Buyer/Consignee Information								(Required) Pos. No. 0500	
Name Segment 6									
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description	
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Purchaser/Consignee)	
N102	93		X	Name	AN	1	35	Sold to Name (Purchaser/Consignee)	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = BOE Account Number	
N104	67		X	Identification Code	AN	9	9	Purchaser's FEIN or SSN or BOE Account Number	
N1~BY~XYZ Gas Station~24~543219876\									
<b>SYNTAX NOTES: (This segment is used for reporting buyer information on various disbursement schedules of the Supplier Returns.)</b>									
02 R0203 - N102 and N103 are required.									
03 P0304 - If either N103 or N104 is present, then the other is required.									
04 If entering BOE Account Number enter the number with a leading 0 (zero).									
Example: N1~BY~XYZ Gas Station~49~099999999\									

**For Point (Address) of Delivery/Destination: (One of the following Options is Required)**

Use Option 1 when the Destination is a Terminal.

Use Option 2 when the Destination is located inside or outside Your State and is a Non-Terminal.

~~Use Option 3 when the Destination is located in Your State, but is a Non-Terminal and the state uses facility IDs.~~

#### Option 1

Point of Destination								(One of the two options is Required) Pos. No. 0500	
Name Segment 7									
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description	
N101	98		M	Entity Identification Code	ID	2	2	"DT" = Destination Terminal	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code	
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (contact the IRS for a complete listing of approved terminals)	
N1~DT~~TC~T33CA3333\									
<b>SYNTAX NOTES: (This segment is used if the destination is an IRS approved terminal.)</b>									
02 R0203 - N103 is required.									
03 P0304 - If either N103 or N104 is present, then the other is required.									

#### Option 2

Point of Destination								(One of the two options is Required) Pos. No. 0500	
Name Segment 7									
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description	
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To	
N102	93		X	Name	AN	2	2	See <a href="#">Postal Abbreviations</a> for list of codes.	
N1~ST~CA\									
<b>SYNTAX NOTES: (This segment is used if the destination is not an IRS approved terminal.)</b>									
02 R0203 - N102 is required.									

Point of Destination (Optional)							
Name Segment 7 Pos. No. 0500							
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max	
N401	19		O	City Name	AN	2	30
N402	156		X	State or Province Code	ID	2	2
N403	116		O	Postal Code	ID	3	11
				Field Description			
				Name of City			
				State or Providence Abbreviation			
				ZIP or ZIP plus 4 Code			

**Option 3**

Point of Destination (One of the three options is Required)							
Name Segment 7 Pos. No. 0500							
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max	
N101	98		M	Entity Identification Code	ID	2	2
N102 is not used.							
N103	66		X	Identification Code Qualifier	ID	2	2
N104	67		X	Identification Code	AN	2	20
				Field Description			
				"WD" = Destination Facility			
				"FA" = Facility Identification			
				Facility/License Number			

This FGS loop contains transaction information for the individual shipments within the TFS loop. It is repeated when one of the following values change: Bill of Lading (Document) Number, Bill of Lading Date (Date Shipped) or Gallons.

Bill of Lading								(Required)
Forms Group Segment								Pos. No. 1000
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
FGS01	350		M	Assigned Identification	AN	1	1	“D” = Schedule Detail
FGS02	128		X	Reference Identification Qualifier	ID	2	2	“BM” = Bill of Lading Number
FGS03	127		X	Reference Identification	AN	1	15	Bill of Lading Number
FGS~D~BM~1234\								
SYNTAX NOTES:								
02	P0203 - FGS02 and FGS03 are required unless the Mode Code in TFS06 is GS (Gas Station), then FGS02 and FGS03 are not used.							

Sequence Error ID Number (Required)							
Reference Number Segment Pos. No. 1100							
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2
REF02	127		X	Reference Identification	AN	1	7
				Field Description			
				06 = Sequence Error ID Number			
				Sequence Error ID Number			

Bill of Lading Date								(Required)
Date/Time Reference Segment								Pos. No. 1200
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
DTM01	374		M	Date/Time Qualifier	ID	3	3	“095” = Bill of Lading Date
DTM02	373		X	Date	DT	8	8	Bill of Lading Date (CCYYMMDD)
DTM~095~20010515\								
SYNTAX NOTES:								
02 R020305 - DTM02 is required.								

Bill of Lading Net								(Required)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	"5005" = Net
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>
TIA~5005~~~8015~GA\								
<b>SYNTAX NOTES:</b>								
02	R0203040607 - TIA04 is required.							
04	Enter the net gallons rounded to the nearest whole gallon.							
05	C0504 - If TIA04 is present, then TIA05 is required.							

Bill of Lading Gross								(Required)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	"5006" = Gross
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>
TIA~5006~~~8000~GA\								
<b>SYNTAX NOTES:</b>								
02	R0203040607 - TIA04 is required.							
04	Enter the gross gallons rounded to the nearest gallon.							
05	C0504 - If TIA04 is present, then TIA05 is required.							

Bill of Lading Billed								(Required)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min Max		Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	"5007" = Billed
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>
TIA~5007~~~8015~GA\								
<b>SYNTAX NOTES:</b>								
02	R0203040607 - TIA04 is required.							
04	Enter the billed gallons rounded to the nearest gallon.							
05	C0504 - If TIA04 is present, then TIA05 is required.							

End of FGS loop for Individual shipments.

End of TFS loop for Schedule.

**Table 12 – EDI v. 4030 Transaction Set Trailer Description Segment**

End of Transaction Set Trailer Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
SE01	96		M	Number of Included Segments	N0	1	10	Number of segments (inserted by translator)
SE02	329		M	Transaction Set Control Number	AN	4	9	Filer defined unique control number (enter the same value as in ST02).
SE~15000~12345\								
<b>SYNTAX NOTES:</b>								
None								

**Table 13 – EDI v. 4030 Functional Group Trailer Description Segment**

Functional Group Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
GE01	97		M	Number Of Transaction Sets Included	N0	1	6	Count of transaction sets within this GS/GE.
GE02	28		M/Z	Group Control Number	N0	1	9	Filer defined unique control number (enter the same value as in GS06).
GE~1~1101\								
<b>SYNTAX NOTES:</b>								
None								

**Table 14 – EDI v. 4030 Interchange Control Trailer Description Segment**

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
IEA01	116		M	Number Of Included Functional Groups	N0	1	5	Count Of Function Groups Within This ISA/IEA.
IEA02	112		M	Interchange Control Number	N0	9	9	The Interchange Number in the Trailer Must Be Identical to the Same Data Element in the Associated Interchange Header (ISA13).
IEA~1~000001001\								
<b>SYNTAX NOTES:</b>								
None								

End of Transaction Set.

➤ **X12 – TS997 Functional Acknowledgement**

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TRANSACTION SET TABLES • 997

**997 Functional Acknowledgment**FUNCTIONAL GROUP- **FA**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

**Table 1**

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
N	0100	ST	Transaction Set Header	M	1	
N	0200	AK1	Functional Group Response Header	M	1	
		<b>LOOP ID - AK2</b>				<b>999999</b>
N	0300	AK2	Transaction Set Response Header	O	1	
		<b>LOOP ID - AK3</b>				<b>999999</b>
C	0400	AK3	Data Segment Note	O	1	
	0500	AK4	Data Element Note	O	99	
	0600	AK5	Transaction Set Response Trailer	M	1	
	0700	AK9	Functional Group Response Trailer	M	1	
	0800	SE	Transaction Set Trailer	M	1	

**NOTES**

- 1/0100 These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
- 1/0100 The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.
- 1/0100 There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
- 1/0200 AK1 is used to respond to the functional group header and to start the acknowledgment for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
- 1/0300 AK2 is used to start the acknowledgment of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

**COMMENTS**

- 1/0400 The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

DECEMBER 1999

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<sup>3</sup> Data Interchange Standards Association, Inc. (DISA)

## ➤X12 – TS997 Acknowledgement Example

The TS997 Functional Acknowledgement notifies the Information Provider that its EDI file was received. The BOE translator creates the TS997 Acknowledgement when the translator processes the file. This Acknowledgement is designed to pass notification back through the Information Provider/Transmitter's translator that the file was accepted, accepted with errors or rejected. The BOE will provide a TS997 Acknowledgement to the Information Provider/Transmitter for each file received. If the file is rejected, the Information Provider/Transmitter must correct and send a replacement file to the BOE for processing. An example of a TS997 Acknowledgement created by the BOE translator can be found below. This TS997 contains Acknowledgements for four TS813s received in one ISA/GS envelope.

The file you receive, unlike the example below, will be a continuous stream of data without carriage returns or line feeds.

```

1 - ISA~03~R455GO4EE3~01~12RCH2SO12~01~123456789~01~234567891~010701~1512~U~
  00403~000000001~0~P~^\\
2 - GS~FA~123456789050~INTERNALROUTING~20010701~1510~1001~X~004030\\
3 -
4 - ST~997~0014\\
5 - AK1~TF~52001\\
6 - AK2~813~000000124\\
7 - AK5~A\\
8 - AK9~A~1~1~1\\
9 - SE~6~0014\\
10 -
11 - ST~997~0015\\
12 - AK1~TF~52001\\
13 - AK2~813~000000125\\
14 - AK5~A\\
15 - AK9~A~1~1~1\\
16 - SE~6~0015\\
17 -
18 - ST~997~0016\\
19 - AK1~TF~52001\\
20 - AK2~813~000000126\\
21 - AK5~A\\
22 - AK9~A~1~1~1\\
23 - SE~6~0016\\
24 -
25 - ST~997~0017\\
26 - AK1~TF~52001\\
27 - AK2~813~000000127\\
28 - AK5~A\\
29 - AK9~A~1~1~1\\
30 - SE~6~0017\\
31 - GE~4~1001\\
32 - IEA~1~000000001\\

```

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